Wind energy potential in Rajasthan

1427. DR. GYAN PRAKASH PILANIA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether any survey has been conducted on the total available wind energy potential in Rajasthan;

(b) if so, the details thereof;

(c) whether any efforts have been made to tap this potential;

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) Yes, Sir.

(b) Wind resource assessment studies carried out at 38 locations in Rajasthan have indicated potential for setting up wind power projects at six locations, which have wind power density of 200 watts per square meter or more. Based on this, a gross wind power potential of 5400 MW has been estimated in the State assuming land availability @ 1% of potential areas and wind farm land requirement @ 12 Hectares per MW.

(c) and (d) Yes, Sir. A wind power installed capacity of 440 MW has been set up in the State of Rajasthan upto December, 2006. The Government of India promotes setting up of commercial wind power projects in the country, including in the State of Rajasthan, by providing fiscal incentives such as concessional import duty on certain components of wind electricity generator, excise duty exemption, ten years tax holiday on income generated from wind power projects, benefit of accelerated depreciation and loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions. Technical support including detailed wind resource assessment of identify further potential sites is provided by the Centre for Wind Energy Technology (C-WET). This apart, preferential tariff is being provided for wind power in most of the potential States, including Rajasthan.

(e) Does not arise.